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Comments of Proposals on Chemical Catalysis for us-Soviet Exchange Program 1. He orbject exchanges run the gament from extremely bosis to applied and somewhat empirical approach. Although the Somet activity in catalytic though is predictable and improving, their industrial exploitation of catalots in general and petroleum processing cetaliste in Derticula lesves muchto the Dished. 2. Proposel I, "Cetalgain by Coordination Compound" is a field which is fairly active in both countries. He Soviet work on fixation of atmospheric nitrogen and carbon Respide and reading with seturated by divarbons could be of Considerable searie importance The Segue of interest Approved For Release 2001/03/03: CIÁ-RDP79-00798A000300910019-4

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in the exchange is probably significant they both parties. This is one of the two wees within the francourth of the proposed exchanges where the us can socially gain technologically. 3. Proposel II, Blationship Between Homogeneous and Acterogeneous Catalysia, This exchange would probetly be of mutual benefit to both the Wars 255R. However, it is not felt that there would result = "substituted precitical benefits" as cited in the preparal His exchange would allow both 45 as use to system tige development of more efficient cettypts with

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4. Propried III - Claracterization of Catelytic meterials by the West distrimental method. The archage bould be of greet interest to the Soviets and would expose to they the latest US electronic confinents, legion and parkaging. His would entail some security niste The scope of this exchange would be inconforted to some Elgre in Proposels I and II. De for the bookleving of the use of the new instruments by the is this is a completely independent consideration and the endange is not a proper mechanism to eccomplish this.

by Chemical Physical Methods, This hasic survey would be of considerable substantine information to Let a notice and Approved For Release 2001/03/03: CIA-RDP79-00798A000300010019-4

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anversel interest. He only prolem which would be of advanced us instruments which could give the Soviets strategic of technology, escited in paragraph 4. above.

6. Perposed I - Use of Synchrotron Rediction for X-ray Bloth-plaction Spectroscopy. This very

besie exchange would result in benefits to both way reprimer facilities mirolved, firstler insightinto the characteristics catalogs would be great in view of the degree of intest in this exchange would be great in view of the 25XIA

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